

Steel Mill Products

1998

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Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1997 Manufacturing Profiles, issued August 1999.

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/econ/www/manumenu.html>. Individual reports can be accessed by choosing "Current Industrial Reports (CIR's)," clicking on "Report Number Index;" from the "Industrial Products by Numeric Index," choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available through the U.S. Department of Commerce and STAT-USA Electronic Bulletin Board by subscription. To access, dial 202-482-3870 and follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information. The Internet address is: www.stat-usa.gov/.

NOTE: Data are now published on the new North American Industry Classification System (NAICS) basis and therefore are not always comparable

to the old Standard Industrial Classification (SIC) code. For further information on NAICS, see www.census.gov/epcd/www/naics.html.

Summary of Findings

In 1998, steel mill product manufacturers had shipments of \$65.9 billion, which decreased 4 percent from \$68.7 billion in 1997. Steel ingot and semifinished shapes decreased 6 percent to \$4.5 billion in 1998, from \$4.8 billion in 1997. Hot-rolled sheet and strip, including tin mill products decreased 4 percent to \$21.5 billion in 1998, from \$22.3 billion in 1997. Hot-rolled bars and shapes, plates, structural shapes, and piling increased slightly to \$13.2 billion in 1998, from \$13.1 billion in 1997. Steel wire decreased 3 percent to \$2.4 billion in 1998, from \$2.5 billion in 1997. Other wire products shipments were \$2.0 billion in 1998, virtually unchanged from 1997. Steel pipe and tube incurred a 10-percent decrease to \$8.9 billion in 1998, from \$9.9 billion in 1997. Cold-rolled steel sheet and strip decreased to \$10.6 billion in 1998, from \$11.2 billion in 1997, a 6-percent decrease. Cold-finished steel bars and bar shapes decreased 3 percent to \$2.17 billion in 1998, from \$2.25 billion in 1997. Other steel mill products increased 8 percent.

Current
Industrial
Reports

Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Dana Brooks, 301-457-4797.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

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Table 1. Value of Shipments of Steel Mill Products by Class of Products: 1998 and 1997
[Value in thousands of dollars]

Product code	Product Description	1998	1997
	Total	65,910,537	68,712,197
3311113	Steel ingot and semifinished shapes.....	4,517,078	4,801,545
3311115	Hot-rolled sheet and strip, including tin mill products 1/	21,542,702	22,330,742
3311117	Hot-rolled bars and shapes, plates, structural shapes, and piling.....	13,180,556	13,091,194
3311119	Steel wire.....	2,439,486	r/ 2,502,801
331222-	Other wire products.....	1,996,404	2,022,056
3312100	Steel pipe and tube.....	8,880,545	9,902,758
3312211	Cold-rolled steel sheet and strip.....	10,564,780	11,242,141
3312213	Cold-finished steel bars and bar shapes.....	2,172,780	2,246,614
331111L	Other steel mill products (except wire products).....	616,206	572,346

r/Revised by 5 percent or more from previously published data.

1/Galvanized, metallic coated, and electrical sheet and strip are included in product code 3311115,
"Hot-rolled sheet and strip."

Table 2. Production of Raw Steel: 1998 and 1997
[Thousands of metric tons]

Product description	1998	1997
Total.....	95,223	96,949
By grade of steel:		
Carbon.....	83,445	83,934
Alloy.....	9,465	10,529
Stainless.....	2,313	2,487
By type of furnace:		
Electric.....	40,192	40,819
Basic oxygen, open hearth, and other types of furnaces.....	55,031	56,130

Table 3a. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 1998
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Receipts 2/ 3/ (quantity)	Steel consuming in producing plants (quantity)	Total shipments		
					Quantity	Value f.o.b. plant	Net shipments 4/ (quantity)
	Steel	(NA)	26,558,126	1,275,257	113,630,386	65,910,537	88,347,517
	Carbon steel	279	24,138,766	1,104,415	101,846,691	52,999,035	78,812,340
3311113110	Ingots	5	(D)	(D)	112,562	50,005	224,518
	Semifinished products:						
3311113140	Blooms, billets, sheet bars, tin mill bars, tube rounds, and skelp	32	(D)	(D)	2,657,155	887,836	(D)
3311113190	Wire rods	22	2,923,971	224,421	4,785,927	1,854,014	2,086,378
3311113150	Slabs	12	(D)	(D)	780,997	210,668	(D)
	Finished products:						
3311117110	Plates, cut lengths	15	(D)	(D)	4,636,559	2,263,715	4,308,514
3311117120	Plates, in coils	5	(D)	(D)	(D)	(D)	(D)
	Sheet:						
3311115110	Hot rolled, including hot rolled bands	23	10,889,114	310,025	19,374,318	7,135,101	8,795,229
3312211110	Cold rolled	25	1,486,523	208,543	13,053,712	6,410,782	11,775,731
	Sheet and strip:						
	Galvanized:						
3311115120	Hot dipped	15	(D)	(D)	9,817,442	6,231,951	9,670,720
3311115130	Electrolytic	13	(D)	(D)	3,305,784	2,254,125	3,290,494
3311115140	Electrical	1	(D)	(D)	(D)	(D)	(D)
3311115150	All other metallic coated, including long termes	10	(D)	(D)	1,103,981	815,129	1,093,080
	Strip:						
3311115160	Hot rolled.....	14	(D)	(D)	2,335,219	922,076	1,738,892
3312211120	Cold rolled	20	(D)	(D)	1,228,092	1,099,107	1,035,832
	Tin mill products:						
33111151C0	Black plate	9	(D)	(D)	479,084	242,835	454,574
33111151D0	Electrolytic and hot dipped tin plate	8	(D)	(D)	2,490,417	1,680,059	2,475,009
33111151E0	Tin free steel	5	(D)	(D)	468,956	309,335	460,339
33111151F0	All other tin mill products, including short termes and foil.....	2	-	-	(D)	(D)	(D)
	Structural shapes (heavy):						
3311117130	Wide flange	4	-	-	(D)	(D)	(D)
3311117140	Standard	7	(D)	(D)	2,247,865	1,048,791	2,247,843
33111171E0	Sheet piling and bearing piles	3	-	-	(D)	(D)	(D)
	Bars:						
3311117190	Hot-rolled, except concrete reinforcing	34	(D)	(D)	6,584,273	3,068,232	5,595,230
33111171A0	Light structurals, under 3 inches	9	(D)	(D)	1,495,944	633,044	1,481,900
33111171B0	Concrete reinforcing	15	-	-	5,331,755	1,839,564	5,331,755
3312213110	Cold finished	34	(D)	(D)	1,453,938	1,165,408	1,375,432
331111L--	Rails, wheels, and track accessories 5/.....	9	(D)	(D)	1,005,309	616,206	874,293
	Pipe and tubes:						
	Line pipe:						
3312100110	16 inches O.D. and under	20	-	-	1,049,135	653,568	1,049,135
3312100120	Over 16 inches O.D.	8	-	-	641,030	486,221	641,030
3312100130	Oil country goods	13	-	-	771,514	523,666	771,514
	Pressure tubing:						
3312100150	Seamless	9	(D)	(D)	105,723	94,069	97,469
3312100160	Welded	14	-	-	335,370	398,347	335,370
	Mechanical tubing:						
33121001A0	Seamless	14	(D)	(D)	120,446	136,395	119,999
33121001B0	Welded	56	(D)	(D)	2,246,448	2,173,100	2,197,940
33121001F0	Structurals	25	(D)	(D)	1,527,221	895,180	1,523,230
33121001G0	Miscellaneous, including standard pipe	33	(D)	(D)	1,554,580	1,071,588	1,541,679
	Wire:						
	Plain wire:						
3312225110	Flat wire	11	5,526	254	93,038	109,076	87,766
	Round wire:						
	Thermally treated:						
3312225120	Under 1.5 mm in diameter	16	(D)	(D)	67,469	75,366	28,752
3312225130	1.5 mm or above in diameter	22	(D)	(D)	259,563	193,229	188,802
	Other round wire:						
3312225140	Under 1.5 mm in diameter	12	(D)	(D)	224,188	281,892	238,867
3312225150	1.5 mm or above in diameter	34	(D)	(D)	1,390,735	743,610	1,110,413
3312225160	Other shape wire	9	(D)	(D)	(D)	(D)	(D)
	Plated or coated with zinc:						
	Round wire:						
3312225170	Under 1.5 mm in diameter	13	(D)	(D)	51,597	46,770	49,930
3312225180	1.5mm or above in diameter	20	88,612	624	263,601	182,223	175,613
3312225190	Other shape wire, including flat	9	(D)	(D)	72,998	60,771	41,744

Continued

Table 3a. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 1998
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Receipts 2/ 3/ (quantity)	Steel consuming in producing plants (quantity)	Total shipments		
					Quantity	Value f.o.b. plant	Net shipments 4/ (quantity)
	Other coated wire:						
33122251A0	Flat wire	3	(D)	(D)	3,009	4,225	19,339
33122251B0	Round wire	19	(D)	(D)	126,599	130,488	123,683
33122251C0	Other shape wire	6	-	-	(D)	(D)	(D)
	Wire products: 6/						
3312223120	Nails and staples	24	(D)	(D)	642,953	671,356	642,492
331222B110	Barbed and twisted wire	7	(D)	(D)	125,050	118,544	125,023
3312227110	Wire fence, woven and welded	12	(D)	(D)	434,827	289,026	433,341
331222B120	Bale ties	7	-	-	32,218	21,439	32,218
3312221110	Wire rope and cable	14	(D)	(D)	168,754	380,799	168,607
	Wire strand:						
3312221230	For prestressed concrete	6	-	-	225,942	154,985	225,942
3312221240	Other	13	-	-	174,105	231,408	174,105
3312229110	Woven wire netting	10	(D)	(D)	133,775	128,847	132,348
	Alloy steel total	78	1,481,197	103,282	9,179,600	7,252,274	7,801,684
3311113120	Ingots	14	(D)	(D)	321,392	209,445	392,257
	Semifinished products:						
3311113160	Blooms, billets, sheet bars, rounds, and skelp...	17	(D)	(D)	1,159,476	763,008	194,775
33111131A0	Wire rods	5	(D)	(D)	(D)	(D)	(D)
3311113170	Slabs	3	(D)	(D)	(D)	(D)	(D)
	Finished products:						
3311117150	Plates, cut lengths	9	(D)	(D)	953,429	658,794	953,669
3311117160	Plates, in coils	2	(D)	(D)	(D)	(D)	(D)
3311117170	Structural shapes, 3 inches and under	3	-	-	(D)	(D)	(D)
	Sheet:						
3311115170	Hot rolled	8	21,298	-	1,216,519	524,938	1,195,221
3312211130	Cold rolled	7	(D)	(D)	120,217	71,849	117,755
	Sheet and strip:						
3311115180	Galvanized hot dipped	3	-	-	106,786	81,586	106,786
3311115190	All other metallic coated, including electrolytic	6	(D)	(D)	(D)	(D)	(D)
	Strip:						
33111151A0	Hot rolled	3	20,913	-	(D)	(D)	(D)
3312211140	Cold rolled	12	(D)	(D)	322,542	543,874	310,937
	Bars:						
33111171C0	Hot rolled, including structural shapes under 3 inches	18	254,544	353	2,399,235	1,443,990	2,145,043
3312213120	Cold finished	25	(D)	(D)	475,270	493,660	475,217
	Tool steel:						
33111171F0	High speed	7	(D)	(D)	12,446	121,795	11,619
33111171G0	Other than high speed	8	(D)	(D)	44,413	173,304	43,455
	Pipe and tubes:						
3312100140	Oil country goods and line pipe	8	(D)	(D)	952,535	815,404	952,533
3312100170	Pressure tubing	5	(D)	(D)	6,020	23,065	5,918
33121001C0	Mechanical tubing	10	(D)	(D)	406,378	568,605	310,543
33121001H0	Miscellaneous, including standard and structural	6	(D)	(D)	(D)	(D)	(D)
33122251D0	Wire, plain and coated	12	7,012	-	45,236	111,865	38,224
	Stainless steel	83	938,163	67,560	2,604,096	5,659,228	1,733,493
3311113130	Ingots	12	(D)	(D)	44,069	70,343	2,691
	Semifinished products:						
3311113180	Blooms, billets, slabs, sheet bars, tube rounds, and skelp	16	(D)	(D)	252,877	329,320	163,591
33111131B0	Wire rods	5	14,614	-	30,535	93,624	15,921
	Finished products:						
3311117180	Plates and structurals	7	4,219	-	138,733	367,311	134,514
	Sheet and strip:						
33111151B0	Hot rolled	6	600,418	-	543,470	663,150	(S)
3312211150	Cold rolled	18	(D)	(D)	1,238,514	2,439,168	1,129,000
	Bars:						
33111171D0	Hot rolled	9	(D)	(D)	27,257	102,770	20,990
3312213130	Cold finished	13	(D)	(D)	121,252	513,712	120,195
	Pipe and tubes:						
	Pressure tubing:						
3312100180	Seamless	8	(D)	(D)	(D)	(D)	(D)
3312100190	Welded	11	(D)	(D)	70,724	322,756	70,715
	Mechanical tubing:						
33121001D0	Seamless	6	(D)	(D)	2,950	62,749	1,639
33121001E0	Welded	16	(D)	(D)	64,764	283,976	64,763

Continued

Table 3a. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 1998
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Receipts 2/ 3/ (quantity)	Steel consuming in producing plants (quantity)	Total shipments		
					Quantity	Value f.o.b. plant	Net shipments 4/ (quantity)
33121001J0	Other pipe and tubes	6	(D)	(D)	(D)	(D)	(D)
	Wire:						
	Round wire:						
33122251E0	Under 0.75 mm in diameter	14	(D)	(D)	18,027	116,887	17,824
33122251F0	0.75 mm to under 1.5 mm in diameter	13	432	-	6,086	36,816	5,682
33122251G0	1.5 mm and above in diameter	15	1,764	-	32,023	138,477	30,259
33122251H0	Other shape wire, including flat wire	9	(D)	(D)	1,177	15,211	1,031

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. S Does not meet publication standards.

1/Product codes in the 3312225 series also include products in the 3311119 series; the same applies for 3312211 and 331111D; 3312213 and 331111F; and 3312100 and 331111B.

2/Excludes receipts and shipments of steel processed on a conversion basis for nonsteel producing companies. Receipts data represent receipts at producing mills only and include receipts from domestic sources.

3/Import receipts of steel mill products for 1998 are as follows: total, 6,488,792 metric tons; carbon, 6,290,154 metric tons; alloy, 79,443 metric tons; stainless 119,195 metric tons.

4/Net shipments are derived by subtracting domestic receipts from total quantity shipments, plus steel consumed in producing plants.

5/Product code 331111L--- combines product codes 331111L110, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170.

6/Represents wire products produced within steel works and wire drawing establishments. See the 1997 Census of Manufactures', Tables 6A and 6B for detailed information.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding.

Table 3b. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 1997
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Receipts 2/ 3/ (quantity)		Steel consuming in producing plants (quantity)	Total shipments			Net shipments 4/ (quantity)
						Quantity	Value f.o.b. plant		
	Steel	(NA)	27,486,253	r/	1,241,033	116,540,900	68,712,197		90,295,680
	Carbon steel	277	25,058,739	r/	1,065,180	103,899,926	54,782,147		79,906,366
3311113110	Ingots	5	(D)		(D)	103,620	53,357	r/	188,953
	Semifinished products:								
3311113140	Blooms, billets, sheet bars, tin mill bars, tube rounds, and skelp	33	4,352,825		22,980	2,403,008	726,130		(S)
3311113190	Wire rods	21	3,106,268		196,345	4,874,077	1,961,096	r/	1,964,154
3311113150	Slabs	12	853,439		1,261	851,503	234,904		(S)
	Finished products:								
3311117110	Plates, cut lengths	15	(D)		(D)	r/ 4,445,364	r/ 2,163,206	r/	4,254,402
3311117120	Plates, in coils	5	(D)		(D)	(D)	(D)		(D)
	Sheet:								
3311115110	Hot rolled, including hot rolled bands	24	12,106,250	r/	324,465	20,532,499	7,954,027	r/	8,750,713
3312211110	Cold rolled	27	1,364,381	r/	189,703	13,777,309	6,990,947		12,602,630
	Sheet and strip:								
	Galvanized:								
3311115120	Hot dipped	17	(D)		(D)	r/ 9,163,465	6,010,883	r/	9,024,899
3311115130	Electrolytic	14	(D)		(D)	2,843,964	2,039,198		2,835,282
3311115140	Electrical	3	(D)		(D)	(D)	(D)		(D)
3311115150	All other metallic coated, including long termes	10	(D)		(D)	1,051,885	787,816		1,042,337
	Strip:								
3311115160	Hot rolled.....	17	(D)		(D)	2,375,859	945,860		1,805,248
3312211120	Cold rolled	21	(D)		(D)	1,228,845	1,121,427	r/	1,055,944
	Tin mill products:								
33111151C0	Black plate	9	(D)		(D)	610,406	326,711		584,195
33111151D0	Electrolytic and hot dipped tin plate	8	(D)		(D)	2,646,612	1,799,927		2,631,991
33111151E0	Tin free steel	5	(D)		(D)	485,898	319,875		477,281
33111151F0	All other tin mill products, including short termes and foil.....	2	-		-	(D)	(D)		(D)
	Structural shapes (heavy):								
3311117130	Wide flange	5	-		-	(D)	(D)		(D)
3311117140	Standard	8	-		-	2,425,231	1,072,051		2,425,231
33111171E0	Sheet piling and bearing piles	4	-		-	319,502	139,564		319,502
	Bars:								
3311117190	Hot-rolled, except concrete reinforcing	36	(D)		(D)	6,551,859	3,007,378		5,475,453
33111171A0	Light structurals, under 3 inches	9	(D)		(D)	1,507,956	615,708		1,494,437
33111171B0	Concrete reinforcing	17	-		-	5,663,269	1,923,388		5,663,269
3312213110	Cold finished	35	(D)		(D)	1,515,543	1,186,597		1,444,669
331111L---	Rails, wheels, and track accessories 5/.....	10	(D)		(D)	936,827	572,346		814,087
	Pipe and tubes:								
	Line pipe:								
3312100110	16 inches O.D. and under	21	-		-	1,189,703	714,777		1,189,703
3312100120	Over 16 inches O.D.	8	-		-	392,540	280,862		392,540
3312100130	Oil country goods	14	-		-	1,504,802	1,027,380		1,504,802
	Pressure tubing:								
3312100150	Seamless	9	(D)		(D)	128,709	119,271		122,002
3312100160	Welded	14	-		-	340,178	403,517		340,178
	Mechanical tubing:								
33121001A0	Seamless	14	(D)		(D)	122,020	143,183		120,961
33121001B0	Welded	59	(D)		(D)	2,261,745	2,191,550		2,213,989
33121001F0	Structurals	24	(D)		(D)	1,584,506	939,002		1,580,651
33121001G0	Miscellaneous, including standard pipe	32	(D)		(D)	1,628,822	1,249,522		1,616,853
	Wire:								
	Plain wire:								
3312225110	Flat wire	11	6,157		177	r/ 103,021	r/ 111,409	r/	97,041
	Round wire:								
	Thermally treated:								
3312225120	Under 1.5 mm in diameter	16	(D)		(D)	r/ 61,559	r/ 69,152	r/	36,473
3312225130	1.5 mm or above in diameter	23	(D)		(D)	255,700	199,642	r/	188,902
	Other round wire:								
3312225140	Under 1.5 mm in diameter	14	(D)		(D)	230,019	277,082		248,425
3312225150	1.5 mm or above in diameter	36	(D)		(D)	r/ 1,435,268	r/ 787,792	r/	1,238,525
3312225160	Other shape wire	9	(D)		(D)	(D)	(D)		(D)
	Plated or coated with zinc:								
	Round wire:								
3312225170	Under 1.5 mm in diameter	12	(D)		(D)	59,312	51,914		58,161
3312225180	1.5mm or above in diameter	19	96,321		760	251,544	174,016	r/	155,983
3312225190	Other shape wire, including flat	9	(D)		(D)	r/ 86,549	r/ 68,848	r/	58,759
	Other coated wire:								
33122251A0	Flat wire	3	(D)		(D)	3,547	4,508		20,890
33122251B0	Round wire	20	(D)		(D)	117,937	125,126		115,199
33122251C0	Other shape wire	6	-		-	(D)	(D)		(D)
	Wire products: 6/								
3312223120	Nails and staples	24	(D)		(D)	r/ 607,816	694,910	r/	607,355
331222B110	Barbed and twisted wire	8	(D)		(D)	139,131	135,526		139,108
3312227110	Wire fence, woven and welded	14	(D)		(D)	r/ 438,885	r/ 296,464	r/	438,356
331222B120	Bale ties	7	-		-	32,316	21,295		32,316
3312221110	Wire rope and cable	13	(D)		(D)	171,598	372,095		170,998
	Wire strand:								
3312221230	For prestressed concrete	6	-		-	215,178	150,016		215,178

Table 3b. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 1997
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	No. of cos.	Receipts 2/ 3/ (quantity)	Steel consuming in producing plants (quantity)	Total shipments		Value f.o.b. plant	Net shipments 4/ (quantity)
					Quantity			
3312221240	Other	12	-	-	177,231		240,328	177,231
3312229110	Woven wire netting	10	(D)	(D) r/	113,137	r/	111,422	112,041
	Alloy steel total	80	1,570,668	r/ 107,151	9,992,557		7,742,761	8,622,521
3311113120	Ingots	13	(D)	(D) r/	337,764	r/	225,481	414,739
	Semifinished products:							
3311113160	Blooms, billets, sheet bars, rounds, and skelp..	15	(D)	(D)	1,577,636		921,610	638,647
33111131A0	Wire rods	4	(D)	(D)	(D)		(D)	(D)
3311113170	Slabs	2	(D)	(D)	(D)		(D)	(D)
	Finished products:							
3311117150	Plates, cut lengths	8	(D)	(D)	798,932		557,814	799,105
3311117160	Plates, in coils	3	(D)	(D)	(D)		(D)	(D)
3311117170	Structural shapes, 3 inches and under	3	-	-	6,601		5,348	6,601
	Sheet:							
3311115170	Hot rolled	9	r/ 22,607	-	1,560,141		685,205	1,538,487
3312211130	Cold rolled	7	(D)	(D)	151,961		88,415	151,234
	Sheet and strip:							
3311115180	Galvanized hot dipped	3	(D)	(D)	127,833		87,990	127,833
3311115190	All other metallic coated, including electrolytic	6	(D)	(D)	(D)		(D)	(D)
	Strip:							
33111151A0	Hot rolled	4	21,348	- r/	1,953		1,219	(S)
3312211140	Cold rolled	12	(D)	(D)	294,146		519,126	285,494
	Bars:							
33111171C0	Hot rolled, including structural shapes under 3 inches	17	(D)	(D)	2,475,229		1,473,387	2,212,383
3312213120	Cold finished	25	(D)	(D)	467,169		486,900	467,087
	Tool steel:							
33111171F0	High speed	7	(D)	(D)	12,483		118,977	11,820
33111171G0	Other than high speed	7	(D)	(D)	47,386		182,722	46,635
	Pipe and tubes:							
3312100140	Oil country goods and line pipe	8	(D)	(D)	1,195,003		1,014,604	1,195,001
3312100170	Pressure tubing	6	(D)	(D)	9,770		28,307	9,529
33121001C0	Mechanical tubing	11	(D)	(D)	572,965		773,720	438,283
33121001H0	Miscellaneous, including standard and structural	4	(D)	(D)	(D)		(D)	(D)
33122251D0	Wire, plain and coated	13	4,233	- r/	44,422	r/	122,259	40,152
	Stainless steel	87	950,326	r/ 68,702	2,648,417		6,187,289	1,766,793
3311113130	Ingots	11	(D)	(D) r/	44,323		71,973	(D)
	Semifinished products:							
3311113180	Blooms, billets, slabs, sheet bars, tube rounds, and skelp	15	(D)	(D) r/	318,337		448,961	238,935
33111131B0	Wire rods	5	r/ 16,370	-	33,558		103,449	17,188
	Finished products:							
3311117180	Plates and structurals	6	7,124	-	140,169		397,217	133,346
	Sheet and strip:							
33111151B0	Hot rolled	7	624,711	-	562,727		820,902	(S)
3312211150	Cold rolled	19	(D)	(D)	1,166,480		2,522,226	1,066,498
	Bars:							
33111171D0	Hot rolled	8	(D)	(D)	36,901		133,074	r/ 27,147
3312213130	Cold finished	13	(D)	(D)	130,232		573,117	128,691
	Pipe and tubes:							
	Pressure tubing:							
3312100180	Seamless	8	(D)	(D)	(D)		(D)	(D)
3312100190	Welded	12	(D)	(D) r/	72,281	r/	330,256	r/ 72,272
	Mechanical tubing:							
33121001D0	Seamless	5	(D)	(D)	2,799		57,784	1,769
33121001E0	Welded	16	(D)	(D)	69,032		301,017	69,030
33121001J0	Other pipe and tubes	6	(D)	(D)	(D)		(D)	(D)
	Wire:							
	Round wire:							
33122251E0	Under 0.75 mm in diameter	14	(D)	(D) r/	17,508	r/	116,202	r/ 17,119
33122251F0	0.75 mm to under 1.5 mm in diameter	13	327	45	5,290		32,787	5,009
33122251G0	1.5 mm and above in diameter	17	2,011	-	33,895		147,127	31,884
33122251H0	Other shape wire, including flat wire	9	(D)	(D) r/	2,405	r/	20,369	r/ 2,274

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. r/Revised by 5 percent or more from previously published data. S Does not meet publication standards.

1/Product codes in the 3312225 series also include products in the 3311119 series; the same applies for 3312211 and 331111D; 3312213 and 331111F; and 3312100 and 331111B.

2/Excludes receipts and shipments of steel processed on a conversion basis for nonsteel producing companies. Receipts data represent receipts at producing mills only and include receipts from domestic sources.

3/Import receipts of steel mill products for 1997 are as follows: total, 6,290,131 metric tons; carbon, 6,086,380 metric tons; alloy, 75,182 metric tons; stainless 119,195 metric tons.

4/Net shipments are derived by subtracting domestic receipts from total quantity shipments, plus steel consumed in producing plants.

5/Product code 331111L--- combines product codes 331111L110, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170.

6/Represents wire products produced within steel works and wire drawing establishments. See the 1997 Census of Manufactures', Tables 6A and 6B for detailed information.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding.

Table 4. Minimill Shipments of Selected Steel Mill Products: 1998 and 1997
[Quantity in metric tons]

Product code 1/	Product description	No. of mini-mill cos.	1998			No. of mini-mill cos.	1997		
			Industry	Minimills	Percent of mini-mills		Industry	Minimills	Percent of mini-mills
3311113110	Carbon steel 2/.....	27	44,264,286	16,212,098	36.6	27	r/39,413,855	16,544,217	42.0
	Ingots.....	1	112,562	(D)	(D)	1	103,620	(D)	(D)
3311113140	Semifinished products:								
3311113150	Blooms, billets, slabs, sheet bars, tin mill bars, tube rounds, and skelp.....	18	3,438,152	1,237,588	46.6	19	3,254,511	1,104,815	46.0
3311113190	Wire rods.....	6	4,785,927	1,716,679	35.9	4	4,753,550	r/1,706,001	35.9
3311117110	Finished products:								
3311117120	Plates, all lengths.....	4	(D)	1,432,522	(D)	4	(D)	r/1,219,198	(D)
3311115160	Hot-rolled strip.....	4	2,335,219	84,479	3.6	4	2,375,859	94,717	4.0
3311117130	Structural shapes (heavy):								
3311117140	Wide flange.....	3	(D)	902,470	(D)	3	(D)	830,576	(D)
3311117140	Standard heavy shapes.....	6	2,247,865	1,953,012	86.9	6	2,425,231	2,115,958	87.2
33111171E0	Sheet piling and bearing piles.....	1	316,001	(D)	(D)	1	319,502	(D)	(D)
3311117190	Bars:								
	Hot-rolled bars (except concrete reinforcing).....	16	6,548,273	3,511,567	53.6	16	6,549,080	3,558,721	54.3
33111171A0	Light structurals (under 3 inches).....	7	1,495,944	1,098,187	73.4	7	1,507,956	1,109,857	73.6
33111171B0	Concrete reinforcing bars.....	11	5,331,755	3,431,631	64.4	11	5,562,491	3,764,996	67.7
3312213110	Cold-finished bars.....	2	1,453,938	(D)	(D)	2	1,523,004	(D)	(D)
331111L---	Rails, wheels, and track accessories 3/.....	2	1,005,309	(D)	(D)	2	923,119	(D)	(D)
3312100110	Pipe and tube:								
	Line pipe, 16 inches O.D. and under.....	2	1,049,135	(D)	(D)	2	1,189,785	(D)	(D)
3312100130	Oil country goods.....	2	771,514	(D)	(D)	2	1,504,802	(D)	(D)
33121001A0	Mechanical tubing, seamless.....	1	120,446	(D)	(D)	1	r/128,747	(D)	(D)
33121001F0	Structurals.....	2	1,527,221	(D)	(D)	2	1,561,067	(D)	(D)
33121001G0	Miscellaneous, including standard pipe.....	2	1,554,580	(D)	(D)	2	1,623,340	(D)	(D)
3312225---	Wire 4/.....	2	(D)	(D)	(D)	2	(D)	(D)	(D)
331222----	Wire products 5/.....	1	1,937,624	(D)	(D)	1	1,796,406	(D)	(D)

D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.

1/Product codes in the 3312225 series also include products in the 3311119 series, the same applies for 3312211 and 331111D;
3312213 and 331111F; and 3312100 and 331111B.

2/The total data is for selected product codes only.

3/Product code 331111L--- combines product codes 331111L110, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170.

4/Product code 3312225--- combines product codes 3312225100 through 33122251H0.

5/Product code 331222---- combines product codes 3312223122, 331222B110, 3312227110, 331222B120, 3312221110, 3312221230, 3312221240, and 3312229110.

Note: Quantity data converted to metric tons; therefore, detail may not add to the total because of rounding.

Table 5. Net Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 1998--REVISED
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	Manufacturers' shipments		Export of domestic merchandise 1/ 2/		Imports for consumption 1/ 3/		Apparent consumption 4/	
		Net (quantity) 5/	Total value f.o.b. plant	Quantity	Value at port	Quantity	Value c.i.f. 6/	Quantity	Value
	Total	88,347,517	65,910,537	3,483,190	3,611,300	17,794,317	9,331,710	102,658,645	71,630,947
3311113110	Carbon steel ingots	224,518	50,005	23,100	26,993	131,892	32,029	333,311	55,041
3311113140 3311113150	Carbon steel, semifinished blooms, billets, sheet bars, tin mill bars, tube rounds, skelp, and slabs	(D)	1,098,504	127,038	58,250	5,601,692	1,461,085	(D)	2,501,339
3311113190	Carbon steel, semifinished wire rods.....	2,086,378	1,854,014	-	-	-	-	2,289,896	1,854,014
3311117110 3311117120	Carbon steel, finished plates, both cut in lengths and in coils.....	(D)	(D)	-	-	-	-	(D)	(D)
3311115110 3311115160	Carbon steel, finished sheet and strip, hot rolled, including hot rolled bands.....	10,534,121	8,057,177	50,939	49,371	20,003	10,466	10,503,184	8,018,272
3312211110	Carbon steel, finished sheet, cold rolled.....	11,775,731	6,410,785	334,180	181,289	18,939	10,880	11,460,490	6,240,376
3311115120	Carbon steel, finished sheet and strip, galvanized, hot dipped.....	9,670,720	6,231,951	23,041	20,812	1,032,148	603,810	10,679,827	6,814,949
3311115130	Carbon steel, finished sheet and strip, galvanized, electrolytic.....	3,290,494	2,254,125	162,028	128,107	-	-	3,128,466	2,126,018
3311115140 3311115150	Carbon steel, finished sheet and strip, electrical and other metallic coating, including long ternes.....	(D)	(D)	136,114	155,863	243,372	227,643	(D)	(D)
3312211120	Carbon steel, finished strip, cold rolled.....	1,035,832	1,099,107	27,161	29,040	8,693	28,392	1,017,364	1,098,459
33111151C0	Carbon steel, finished tin mill, black plate.....	454,574	242,835	12,442	5,626	-	-	442,132	237,209
33111151D0	Carbon steel, finished tin mill, electrolytic and hot dipped tin plate.....	2,475,009	1,680,059	240,037	143,150	291,506	203,799	2,526,477	1,740,708
33111151E0 33111151F0	Carbon steel, finished tin mill, tin free steel and other tin mill products, including short ternes and foil.....	(D)	(D)	(NA)	(NA)	(NA)	(NA)	(D)	(D)
3311117130 3311117140	Carbon steel, finished structural shapes (heavy), both wide flange and standard heavy shapes.....	(D)	(D)	268,455	130,768	2,400,547	958,091	(D)	(D)
33111171E0	Carbon steel, finished sheet piling and bearing piles.....	316,001	141,049	14,490	13,655	198,405	119,235	499,916	246,629
3311117190	Carbon steel, finished bars, hot rolled (except concrete reinforcing).....	5,595,230	3,068,232	103,046	60,566	148,996	83,605	5,641,181	3,091,271
33111171A0	Carbon steel, finished bars, light structurals, under 3 inches.....	1,481,900	633,044	89,440	54,582	253,187	102,909	1,645,647	681,371
33111171B0	Carbon steel, finished bars, concrete reinforcing.....	5,331,755	1,839,564	103,046	60,566	1,117,647	338,589	6,346,356	2,117,587
3312213110	Carbon steel, finished bars, cold finished.....	1,375,432	1,165,408	31,945	26,034	94,754	80,453	1,438,241	1,219,827
331111L--	Carbon steel, finished rails, wheels, and track accessories 7/.....	874,293	616,206	74,228	53,717	301,461	182,609	1,101,526	745,098
3312100110 3312100120	Carbon steel, finished line pipe, all diameters.....	1,690,165	1,139,789	255,935	260,582	1,047,661	657,859	2,481,892	1,537,066
3312100130	Carbon steel, finished pipe and tubes, oil country goods.....	771,514	523,666	155,840	240,116	116,764	71,257	732,438	354,807
33121001F0	Carbon steel, finished pipe and tubes, structurals.....	1,523,230	895,180	70,251	70,399	579,980	316,225	2,032,959	1,141,006
3312100150 3312100160 33121001A0 33121001B0 33121001G0	Carbon steel, finished pipe and tubes (except line pipe, oil country goods, and structurals).....	4,292,457	3,873,499	85,989	113,869	1,074,078	748,873	5,280,546	4,508,503
3312225110 3312225120 3312225130 3312225140 3312225150 3312225160	Carbon steel, finished plain wire.....	1,895,466	1,522,443	30,926	38,092	-	-	1,864,540	1,484,351

Continued

Table 5. Net Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 1998--REVISED
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	Manufacturers' shipments		Export of domestic merchandise 1/ 2/		Imports for consumption 1/ 3/		Apparent consumption 4/	
		Net (quantity) 5/	Total value f.o.b. plant	Quantity	Value at port	Quantity	Value c.i.f. 6/	Quantity	Value
3312225170 3312225180 3312225190	Carbon steel, finished wire, plated or coated with zinc.....	267,287	289,764	10,812	11,965	-	-	256,475	277,799
33122251A0 33122251B0 33122251C0	Carbon steel, finished wire, plated or coated, other than with zinc.....	(D)	(D)	23,952	33,268	-	-	(D)	(D)
3312223120	Carbon steel, finished wire nails and staples.....	642,492	671,356	24,160	46,905	372,201	283,867	990,533	908,318
331222B110	Carbon steel, finished barbed and twisted wire.....	125,023	118,544	3,188	4,876	12,424	10,014	134,259	123,682
3312227110 3312229110	Carbon steel, finished wire fence (woven and welded) and woven wire netting.....	565,689	417,873	12,010	17,855	63,055	63,481	616,735	463,499
331222B120	Carbon steel, finished wire bale ties.....	32,218	21,439	(NA)	(NA)	(NA)	(NA)	32,218	21,439
3312221110	Carbon steel, finished wire rope and cable.....	168,607	380,799	14,211	40,040	115,108	184,480	269,503	525,239
3312221230	Carbon steel, finished wire strand for prestressed concrete.....	225,942	154,985	5,915	10,767	59,776	37,348	279,804	181,566
3312221240	Carbon steel, finished wire strand (except for prestressed concrete).....	174,105	231,408	(NA)	(NA)	(NA)	(NA)	174,105	231,408
3311113120	Alloy steel (except stainless) ingots.....	392,257	209,445	31,375	32,756	7,956	7,856	368,838	184,545
3311113160 3311113170	Alloy steel (except stainless) semifinished blooms, billets, sheet bars, tube rounds, skelp, and slabs.....	(D)	(D)	18,401	29,132	259,976	112,393	(D)	(D)
3311117150 3311117160 3311115170 3312211130 3311115180 3311115190 33111151A0 3312211140	Alloy steel (except stainless) finished plate, sheet or strip, both hot and cold rolled or cold finished.....	(D)	(D)	147,666	142,724	763,941	641,499	(D)	(D)
33111131A0 3311117170 33111171C0 3312213120	Alloy steel (except stainless) semifinished wire rods, finished structural shapes (3 inches and under) and bars, hot rolled, including structural shapes under 3 inches, and cold finished.....	(D)	(D)	188,687	177,564	919,925	599,011	(D)	(D)
33111171F0	Alloy steel (except stainless) finished tool steel, high speed.....	11,619	121,795	1,134	9,583	2,402	17,569	12,887	129,781
33111171G0	Alloy steel (except stainless) finished tool steel (except high speed).....	43,455	173,304	7,167	21,781	52,795	82,306	89,083	233,829
3312100140	Alloy steel (except stainless) finished oil country goods and line pipe.....	952,533	815,404	266,302	314,133	23,646	35,451	709,877	536,722
3312100170 33121001C0 33121001H0 33121001D0 33121001E0 33121001F0 3312100180 3312100190	Alloy steel, including stainless, pipe and tubes, n.e.c.	(D)	(D)	108,628	269,534	174,724	339,558	(D)	(D)
33122251D0	Alloy steel (except stainless) finished wire, plain or coated.....	38,224	111,865	42,196	100,888	69,614	100,676	65,642	111,653
3311113130	Stainless steel ingots	2,691	70,343	4,934	20,852	4,779	6,684	2,536	56,175
3311113180	Stainless steel, semifinished blooms, billets, slabs, sheet bars, tube rounds, and skelp	163,591	329,320	-	-	-	-	163,591	329,320
33111131B0 33111171D0	Stainless steel, semifinished wire rods and finished bars, hot rolled.....	36,911	196,394	3,191	9,706	56,481	129,343	90,201	316,031
3311117180	Stainless steel, finished plates and structurals.....	134,514	367,311	34,953	80,698	19,938	53,792	119,499	340,405

Continued

Table 5. Net Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 1998--REVISED
[Quantity in metric tons. Value in thousands of dollars]

Product code 1/	Product description	Manufacturers' shipments		Export of domestic merchandise 1/ 2/		Imports for consumption 1/ 3/		Apparent consumption 4/	
		Net (quantity) 5/	Total value f.o.b. plant	Quantity	Value at port	Quantity	Value c.i.f. 6/	Quantity	Value
33111151B0	Stainless steel, finished sheet and strip, hot rolled.....	(D)	663,150	20,446	34,225	19,661	29,753	(D)	658,678
3312211150	Stainless steel, finished sheet and strip, cold rolled.....	1,129,000	2,439,168	78,165	195,679	14,750	40,301	1,065,586	2,283,790
3312213130	Stainless steel, finished bars, cold finished.....	120,195	513,712	8,961	45,969	71,498	195,947	182,731	663,690
33122251E0	Stainless steel, finished wire.....	54,796	54,796	7,066	38,953	27,941	122,572	75,671	138,415
33122251F0									
33122251G0									
33122251H0									

- Represents zero. D Withheld to avoid disclosing data for individual companies. n.e.c. Not elsewhere classified. NA Not available.

1/For a comparison of North American Industry Classification System-based product codes with Schedule B export number and HTSUSA import numbers, see Table 6.

2/Source: Census Bureau report EM 545, U.S. Exports.

3/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

4/Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

5/Includes quantities of steel consumed in steel producing plants in the manufacture of fabricated products and maintenance, repair, and operating supplies (MRO) while excluding receipts. Refer to Table 3a for the net shipments detail.

6/This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

7/Data for manufactures' shipments, product code 331111L -- combines product codes 331111L110, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170, for exports and imports, product code 331111L -- combines product codes 331111L110, 331111L120, 331111L130, and 331111L140, product codes 331111L150, 331111L160, 331111L170 are not applicable. Refer to Table 6 for details.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding.

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B
Export Numbers, and HTSUSA Numbers: 1998

Product code	Product description	Export number 1/	Import number 2/
3311113110	Carbon steel ingots.....	7206.10.0000 7206.90.0000	7206.10.0000 7206.90.0000
3311113140	Carbon steel, semifinished blooms, billets, sheet bars, tin mill bars, tube		
3311113190	rounds, skelp, and slabs.....	7207.11.0000 7207.12.0000 7207.19.0000 7207.20.0000	7207.11.0000 7207.12.0010 7207.12.0050 7207.19.0030 7207.19.0090 7207.20.0025 7207.20.0045 7207.20.0075 7207.20.0090
3311113150	Carbon steel, semifinished wire rods.....	7213.31.0000 7213.41.0000	7213.31.3000 7213.31.6000 7213.41.3000 7213.41.6000 7213.50.0020
3311117110	Carbon steel, finished plates, both cut in lengths and in coils.....	7208.11.0000	7208.11.0000
3311117120		7208.12.0000 7208.21.0000 7208.22.0000 7208.31.0000 7208.32.0000 7208.33.0000 7208.41.0000 7208.42.0000 7208.43.0000 7211.11.0000 7211.12.0000 7211.21.0000 7211.22.0000	7208.12.0000 7208.21.1000 7208.21.5000 7208.22.1000 7208.22.5000 7208.31.0000 7208.32.0000 7208.33.1000 7208.33.5000 7208.41.0000 7208.42.0000 7208.43.0000 7211.11.0000 7211.12.0000 7211.21.0000 7211.22.0045 7211.22.0090
3311115110	Carbon steel, finished sheet and strip, hot rolled, including hot rolled		
3311115160	bands.....	7208.13.0000 7208.14.0000 7208.23.0000 7208.24.0000 7208.34.0000 7208.35.0000 7208.44.0000 7208.45.0000 7208.90.0000 7210.70.0000 7211.19.0000 7211.29.0000	7208.13.1000 7208.13.5000 7208.14.1000 7208.14.5000 7208.23.1000 7208.23.5030 7208.23.5090 7208.24.1000 7208.24.5030 7208.24.5090 7208.34.1000 7208.34.5000 7208.35.1000 7208.35.5000 7208.44.0000 7208.45.0000 7208.90.0000 7210.70.3000 7211.19.1000 7211.19.5000 7211.29.1000 7211.29.3000 7211.29.5000 7211.29.7030 7211.29.7060 7211.29.7090

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

Product code	Product description	Export number 1/	Import number 2/
3312211110	Carbon steel, finished sheet, cold rolled.....	7209.11.0000	7209.11.0000
		7209.12.0000	7209.12.0030
		7209.13.0000	7209.12.0090
		7209.14.0000	7209.13.0030
		7209.15.0010	7209.13.0090
		7209.15.0050	7209.14.0030
		7209.16.0010	7209.14.0090
		7209.16.0090	7209.21.0000
		7209.17.0010	7209.22.0000
		7209.17.0090	7209.23.0000
		7209.18.1500	7209.24.5000
		7209.18.6000	7209.31.0000
		7209.21.0000	7209.32.0000
		7209.22.0000	7209.33.0000
		7209.23.0000	7209.34.0000
		7209.24.5000	7209.41.0000
		7209.25.0010	7209.42.0000
		7209.25.0050	7209.43.0000
		7209.26.0010	7209.44.0000
		7209.26.0050	7209.90.0000
		7209.27.0010	
		7209.27.0050	
		7209.28.0010	
		7209.28.0050	
		7209.31.0000	
		7209.32.0000	
		7209.33.0000	
		7209.34.0000	
		7209.41.0000	
		7209.42.0000	
		7209.43.0000	
		7209.44.0000	
		7209.90.0000	
3311115120	Carbon steel, finished sheet and strip, galvanized, hot dipped.....	7210.41.0000	7210.41.0000
		7210.49.0000	7210.49.0030
		7212.30.0000	7210.49.0090
			7212.30.1030
			7212.30.1090
		7212.30.3000	
		7212.30.5000	
3311115130	Carbon steel, finished sheet and strip, galvanized, electrolytic.....	7210.30.0030	7210.31.0000
		7210.30.0060	7210.39.0000
		7210.31.0000	7212.21.0000
		7210.39.0000	7212.29.0000
		7212.20.1000	
		7212.20.5000	
		7212.21.0000	
	7212.29.0000		
3311115140	Carbon steel, finished sheet and strip, electrical and other metallic coating		
3311115150	including long ternes.....	7210.20.0000	7210.20.0000
		7210.50.0000	7210.60.0000
		7210.60.0000	7210.70.6030
		7210.70.0000	7210.70.6060
		7210.90.1000	7210.70.6090
		7210.90.5000	7210.90.1000
		7212.40.0000	7210.90.6000
		7212.50.0000	7210.90.9000
		7212.60.0000	7212.40.1000
	7212.40.5000		
	7212.50.0000		
	7212.60.0000		

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

Product code	Product description	Export number 1/	Import number 2/
3312211120	Carbon steel, finished strip, cold rolled.....	7211.30.0000 7211.41.0000 7211.49.0000 7211.90.0000	7211.30.1030 7211.30.1090 7211.30.3000 7211.30.5000 7211.41.1000 7211.41.3030 7211.41.3090 7211.41.5000 7211.41.7030 7211.41.7060 7211.41.7090 7211.49.1030 7211.49.1090 7211.49.3000 7211.49.5030 7211.49.5060 7211.49.5090 7211.90.0000
33111151C0	Carbon steel, finished tin mill, black plate.....	7209.18.2500 7209.24.1000	7209.24.1000
33111151D0	Carbon steel, finished tin mill, electrolytic and hot dipped tin plate.....	7210.11.0000 7210.12.0000 7212.10.0000	7210.11.0000 7210.12.0000 7212.10.0000
33111151E0	Carbon steel, finished tin mill, tin free steel and other tin mill products,		
33111151F0	including short ternes and foil.....	(NA)	(NA)
3311117130	Carbon steel, finished structural shapes (heavy), both wide flange and		
3311117140	standard heavy shapes.....	7216.31.0000 7216.32.0000 7216.33.0000 7216.40.0000 7216.50.0000 7216.60.0000 7216.90.0000	7216.31.0000 7216.32.0000 7216.33.0030 7216.33.0060 7216.33.0090 7216.40.0010 7216.40.0050 7216.50.0000 7216.60.0000 7216.90.0000
33111171E0	Carbon steel, finished sheet piling and bearing piles.....	7301.10.0000	7301.10.0000
3311117190	Carbon steel, finished bars, hot rolled (except concrete reinforcing).....	7213.20.0000 7213.39.0000 7213.49.0000 7213.50.0000 7214.10.0000 7214.30.0000 7214.40.0000 7314.50.0000 7214.60.0000 7215.90.0000	7213.20.0000 7213.39.0030 7213.39.0060 7213.39.0090 7213.49.0030 7213.49.0060 7213.49.0090 7213.50.0040 7213.50.0060 7213.50.0080 7214.10.0000 7214.30.0000 7214.40.0010 7214.40.0030 7214.40.0050 7214.50.0010 7214.50.0030 7214.50.0050 7214.60.0010 7214.60.0030 7214.60.0050 7215.90.1000

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

Product code	Product description	Export number 1/	Import number 2/
33111171A0	Carbon steel, finished bars, light structurals, under 3 inches.....	7216.10.0000 7216.21.0000 7216.22.0000	7216.10.0010 7216.10.0050 7216.21.0000 7216.22.0000
33111171B0	Carbon steel, finished bars, concrete reinforcing.....	7213.10.0000 7214.20.0000	7213.10.0000 7214.20.0000
3312213110	Carbon steel, finished bars, cold finished.....	7215.10.0000 7215.20.0000 7215.30.0000 7215.40.0000 7215.90.0000	7215.10.0000 7215.20.0000 7215.30.0000 7215.40.0000 7215.90.3000 7215.90.5000
331111L110	Carbon steel, finished rails, standard tee, over 60 lbs per yard.....	7302.10.1020	7302.10.1010 7302.10.1035
331111L120	Carbon steel, finished rails, n.e.c., including light (60 lbs per yard and under).....	7302.10.1030	7302.10.1015 7302.10.1025 7302.10.1045 7302.10.1055
331111L130 331111L140	Carbon steel, finished rails, joint bars and tie plates.....	7302.40.0000	7302.40.0000
331111L150 331111L160 331111L170	Carbon steel, finished wheels (rolled and forged), axles (rolled and forged), and track spikes.....	(NA)	(NA)
3312100110 3312100120	Carbon steel, finished line pipe, all diameters.....	7304.10.1020 7304.10.1050 7304.10.1080 7305.11.1000 7305.12.1000 7305.19.1000 7306.10.1000	7304.10.1020 7304.10.1030 7304.10.1045 7304.10.1060 7304.10.1080 7305.11.1030 7305.11.1060 7305.12.1030 7305.12.1060 7305.19.1030 7305.19.1060 7306.10.1010 7306.10.1050
3312100130	Carbon steel, finished pipe and tubes, oil country goods.....	7304.20.1500 7304.20.5000 7304.20.7000 7304.21.3000 7304.29.1055 7304.29.5000 7305.20.3000 7306.20.1500 7306.20.6000	7304.20.1010 7304.20.1020 7304.20.1030 7304.20.1040 7304.20.1050 7304.20.1060 7304.20.1080 7304.20.2010 7304.20.2020 7304.20.2030 7304.20.2040 7304.20.2050 7304.20.2060 7304.20.2080 7304.20.5015 7304.20.5030 7304.20.5045 7304.20.5060 7304.20.5075 7304.20.7000

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

Product code	Product description	Export number 1/	Import number 2/
			7305.20.2000
			7305.20.4000
			7306.20.1030
			7306.20.1090
			7306.20.2000
			7306.20.6010
			7306.20.6050
33121001F0	Carbon steel, finished pipe and tubes, structurals.....	7304.90.4000	7304.90.1000
		7305.90.1000	7304.90.5000
		7306.60.2500	7305.90.1000
		7306.90.1000	7306.60.1000
			7306.60.5000
			7306.90.1000
3312100150	Carbon steel, finished pipe and tubes (except line pipe, oil country goods,		
3312100160	and structurals).....	7304.31.0000	7304.31.6010
33121001A0		7304.39.0000	7304.31.6050
33121001B0		7305.31.4000	7304.39.0002
33121001G0		7305.39.1000	7304.39.0004
		7306.30.1000	7304.39.0006
		7306.30.1500	7304.39.0008
			7304.39.0016
			7304.39.0020
			7304.39.0024
			7304.39.0028
			7304.39.0032
			7304.39.0036
			7304.39.0040
			7304.39.0044
			7304.39.0048
			7304.39.0052
			7304.39.0056
			7304.39.0062
			7304.39.0068
			7304.39.0072
			7304.39.0076
			7304.39.0080
			7305.31.4000
			7305.39.1000
			7306.30.1000
			7306.30.5010
			7306.30.5015
			7306.30.5020
			7306.30.5025
			7306.30.5028
			7306.30.5032
			7306.30.5035
			7306.30.5040
			7306.30.5055
			7306.30.5085
			7306.30.5090
3312225110	Carbon steel, finished plain, flat wire.....	(NA)	7217.11.1000
			7217.11.2000
			7217.11.3000
			7217.21.1000
			7217.31.1000
3312225120	Carbon steel, finished plain, round wire, thermally treated, under 1.5 mm in diameter.....	(NA)	7217.11.5020
			7217.11.5040
			7217.21.3015
			7217.21.3030
			7217.31.3015
			7217.31.3030

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

Product code	Product description	Export number 1/	Import number 2/
3312225130	Carbon steel, finished plain, round wire, thermally treated, 1.5 mm or above in diameter.....	(NA)	7217.11.7030 7217.21.3045 7217.31.3045
3312225140	Carbon steel, finished plain, round wire, other than thermally treated, under 1.5 mm in diameter.....	(NA)	7217.11.5060 7217.11.5080 7217.21.3060 7217.21.3075 7217.31.3060 7217.31.3075
3312225150	Carbon steel, finished plain, round wire, other than thermally treated, 1.5 mm or above in diameter.....	(NA)	7217.11.7090 7217.21.3090 7217.31.3090
3312225160	Carbon steel, finished plain wire, n.e.c., including flat.....	(NA)	7217.11.9000 7217.21.5000 7217.31.5000
3312225110	Carbon steel, finished plain wire.....	7217.10.1510	(NA)
3312225120		7217.10.2510	
3312225130		7217.10.7510	
3312225140		7217.11.0000	
3312225150		7217.21.0000	
3312225160		7217.31.0000	
3312225170	Carbon steel, finished round wire, plated or coated with zinc, under 1.5 mm in diameter.....	(NA)	7217.12.3030 7217.12.3060 7217.22.1015 7217.22.1030 7217.32.1015 7217.32.1030
3312225180	Carbon steel, finished round wire, plated or coated with zinc, 1.5 mm or above in diameter.....	(NA)	7217.12.5000 7217.22.1050 7217.32.1050
3312225190	Carbon steel, finished wire shapes, except round, plated or coated with zinc, including flat.....	(NA)	7217.12.1000 7217.12.7000 7217.22.5000 7217.32.5000
3312225170	Carbon steel, finished wire, plated or coated with zinc.....	7217.12.0000	(NA)
3312225180		7217.20.1010	
3312225190		7217.20.5010 7217.20.9010 7217.22.0000 7217.32.0000	
33122251A0	Carbon steel, finished wire, plated or coated, other than with zinc.....	7217.13.0000	7217.13.1000
33122251B0		7217.19.0000	7217.13.3030
33122251C0		7217.23.0000	7217.13.5000
		7217.29.0000	7217.13.7000
		7217.30.1010	7217.19.1000
		7217.30.5010	7217.19.5000
		7217.30.9010	7217.23.1015
		7217.33.0000	7217.23.1030
		7217.39.0000	7217.23.1050 7217.23.5000

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

Product code	Product description	Export number 1/	Import number 2/
			7217.29.1000
			7217.29.5000
			7217.33.1015
			7217.33.1030
			7217.33.1050
			7217.33.5000
			7217.39.1000
			7217.39.5000
			7247.13.3060
3312223120	Carbon steel, finished wire nails and staples.....	7317.00.9000	7317.00.5505
			7317.00.5510
			7317.00.5520
			7317.00.5530
			7317.00.5540
			7317.00.5550
			7317.00.5560
			7317.00.5570
			7317.00.5580
			7317.00.5590
			7317.00.6530
			7317.00.6560
			7317.00.7500
331222B110	Carbon steel, finished barbed and twisted wire.....	7313.00.0000	7313.00.0000
3312227110	Carbon steel, finished wire fence (woven and welded) and woven wire		
3312229110	netting.....	7314.20.0000	7314.20.0000
		7314.30.0000	7314.30.1000
		7314.41.0000	7314.30.5000
		7314.42.0000	7314.41.0030
		7314.49.0000	7314.41.0060
			7314.42.0030
			7314.42.0060
			7314.49.3000
			7314.49.6000
331222B120	Carbon steel, finished wire bale ties.....	(NA)	(NA)
3312221110	Carbon steel, finished wire rope and cable.....	7312.10.8500	7312.10.7000
			7312.10.8000
			7312.10.9030
			7312.10.9060
			7312.10.9090
3312221230	Carbon steel, finished wire strand for prestressed concrete.....	7312.10.3015	7312.10.3010
			7312.10.3012
3312221240	Carbon steel, finished wire strand (except for prestressed concrete).....	(NA)	(NA)
3311113120	Alloy steel (except stainless) ingots.....	7224.10.0000	7224.10.0005
			7224.10.0045
			7224.10.0075
3311113160	Alloy steel (except stainless) semifinished blooms, billets, sheet bars, tube		
3311117150	rounds, skelp and slabs.....	7224.90.0000	7224.90.0005
			7224.90.0015
			7224.90.0025
			7224.90.0035
			7224.90.0045
			7224.90.0055
			7224.90.0065
			7224.90.0075
3311117150	Alloy steel (except stainless) finished plates, both cut in lengths and in		
3311117160	coils.....	(NA)	7225.30.1000

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

Product code	Product description	Export number 1/	Import number 2/
			7225.30.3005
			7225.30.3050
			7225.40.1015
			7225.40.1090
			7225.40.3005
			7225.40.3050
			7225.50.6000
			7226.91.5000
3311115170	Alloy steel (except stainless) finished sheet and strip, hot and cold rolled,		
3312211130	galvanized, hot dipped and other metallic coated, including electrolytic.....	(NA)	7225.10.0000
3311115180			7225.20.0000
3311115190			7225.30.5030
			7225.30.5060
			7225.30.7000
			7225.40.5030
			7225.40.5060
			7225.40.5070
			7225.50.1030
			7225.50.1060
			7225.50.7000
			7225.50.8000
			7225.90.0000
33111151A0	Alloy steel (except stainless) finished strip, hot rolled or cold finished.....	(NA)	7226.10.1000
3312211140			7226.10.5030
			7226.10.5060
			7226.20.0000
			7226.91.0500
			7226.91.1530
			7226.91.1560
			7226.91.2530
			7226.91.2560
			7226.91.7000
			7226.91.8000
			7226.92.1030
			7226.92.1060
			7226.92.3030
			7226.92.3060
			7226.92.5000
			7226.92.7005
			7226.92.7050
			7226.92.8005
			7226.92.8050
			7226.99.0000
3311117150	Alloy steel (except stainless) finished plate, sheet or strip, both hot and		
3311117160	cold rolled or cold finished.....	7225.10.0000	(NA)
3311115170		7225.20.0000	
3312211130		7225.30.0000	
3311115180		7225.40.0000	
3311115190		7225.50.0000	
33111151A0		7225.90.0000	
3312211140		7226.10.0000	
		7226.20.0000	
		7226.91.0000	
		7226.92.2000	
		7226.92.4000	
		7226.99.0000	
33111131A0	Alloy steel (except stainless) semifinished wire rods, finished structural		
3311117170	shapes (3 inches and under) and bars, hot rolled, including structural		
33111171C0	shapes under 3 inches, and cold finished.....	7227.10.0000	7227.10.0000
3312213120		7227.20.0000	7227.20.0000
		7227.90.0000	7227.90.1030
		7228.20.0000	7227.90.1060

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

Product code	Product description	Export number 1/	Import number 2/
		7228.30.8000	7227.90.2030
		7228.40.0000	7227.90.2060
		7228.50.5000	7227.90.6005
		7228.60.5000	7227.90.6050
		7228.70.0000	7228.20.1000
		7228.80.0000	7228.20.5000
			7228.30.8005
			7228.30.8050
			7228.50.5005
			7228.50.5050
			7228.60.6000
			7228.60.8000
			7228.70.3020
			7228.70.3040
			7228.70.3060
			7228.70.3080
			7228.70.6000
			7228.80.0000
33111171F0	Alloy steel (except stainless) finished tool steel, high speed.....	7228.10.0000	7228.10.0010
			7228.10.0030
			7228.10.0060
33111171G0	Alloy steel (except stainless) finished tool steel (except high speed).....	7228.30.5000	7228.30.2000
		7228.50.1000	7228.30.4000
		7228.60.1000	7228.30.6000
			7228.50.1010
			7228.50.1020
			7228.50.1040
			7228.50.1060
			7228.50.1080
			7228.60.1030
			7228.60.1060
3312100140	Alloy steel (except stainless) finished oil country goods and line pipe.....	7304.10.5020	7304.10.5020
		7304.10.5050	7304.10.5050
		7304.10.5080	7304.10.5080
		7304.20.3500	7304.20.3010
		7304.20.6000	7304.20.3020
		7304.20.8000	7304.20.3030
		7304.21.6000	7304.20.3040
		7304.29.3055	7304.20.3050
		7304.29.6000	7304.20.3060
		7305.11.5000	7304.20.3080
		7305.12.5000	7304.20.4010
		7305.19.5000	7304.20.4020
		7305.20.7000	7304.20.4030
		7306.10.5000	7304.20.4040
		7306.20.2500	7304.20.4050
		7306.20.8000	7304.20.4060
			7304.20.4080
			7304.20.6015
			7304.20.6030
			7304.20.6045
			7304.20.6060
			7304.20.6075
			7304.20.8030
			7304.20.8045
			7304.20.8060
			7305.11.5000
			7305.12.5000
			7305.19.5000
			7305.20.6000
			7305.20.8000
			7306.10.5010
			7306.10.5050

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

Product code	Product description	Export number 1/	Import number 2/
			7306.20.3000
			7306.20.4000
			7306.20.8010
			7306.20.8050
3312100170	Alloy steel (except stainless) finished pressure tubing.....	(NA)	7304.51.5015
			7304.51.5045
			7304.59.2030
			7304.59.2040
			7304.59.2045
			7304.59.2055
			7304.59.2060
			7304.59.2070
			7304.59.2080
			7306.50.5010
33121001C0	Alloy steel, including stainless, finished pipe and tubes, n.e.c., including		
33121001H0	mechanical, standard, and structural.....	(NA)	7304.41.0045
33121001D0			7304.49.0060
33121001E0			7304.51.1000
33121001J0			7304.51.5060
			7304.59.1000
			7304.59.6000
			7304.59.8010
			7304.59.8015
			7304.59.8020
			7304.59.8025
			7304.59.8030
			7304.59.8035
			7304.59.8040
			7304.59.8045
			7304.59.8050
			7304.59.8055
			7304.59.8060
			7304.59.8065
			7304.59.8070
			7304.59.8080
			7304.90.3000
			7304.90.7000
			7305.31.6000
			7305.39.5000
			7305.90.5000
			7306.40.1000
			7306.40.1030
			7306.40.1090
			7306.40.5040
			7306.40.5045
			7306.40.5055
			7306.40.5060
			7306.40.5065
			7306.40.5075
			7306.40.5080
			7306.40.5090
			7306.50.1000
			7306.50.3000
			7306.50.5030
			7306.50.5050
			7306.50.5070
			7306.60.3000
			7306.60.7000
3312100180	Stainless steel pressure tubing, seamless.....	(NA)	7304.41.0015
			7304.49.0045
3312100190	Stainless steel pressure tubing, welded.....	(NA)	7306.40.5015

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

Product code	Product description	Export number 1/	Import number 2/
3312100170	Alloy steel, including stainless, pipe and tubes, n.e.c.	7304.41.0000	(NA)
33121001C0		7304.49.0010	
33121001H0		7304.49.0040	
33121001D0		7304.51.0000	
33121001E0		7304.59.0000	
33121001J0		7304.90.6000	
3312100180		7305.31.6000	
3312100190		7305.39.5000	
		7305.90.5000	
		7306.40.1000	
		7306.40.5000	
		7306.50.1000	
		7306.50.4500	
		7306.60.6500	
		7306.90.5000	
33122251D0	Alloy steel (except stainless) finished wire, plain or coated.....	7229.10.0000	7229.10.0000
		7229.20.0000	7229.20.0000
		7229.90.0000	7229.90.1000
			7229.90.5015
			7229.90.5030
			7229.90.5050
			7229.90.9000
3311113130	Stainless steel ingots.....	7218.10.0000	7218.10.0000
3311113180	Stainless steel, semifinished blooms, billets, slabs, sheet bars, tube rounds, and skelp.....	7218.90.0000	7218.90.0005
			7218.90.0015
			7218.90.0025
			7218.90.0032
			7218.90.0038
			7218.90.0040
			7218.90.0050
			7218.90.0060
			7218.90.0075
			7218.90.0085
			7218.90.0095
33111131B0	Stainless steel, semifinished wire rods and finished bars, hot rolled.....	7221.00.0000	7221.00.0005
33111171D0		7222.10.0000	7221.00.0015
			7221.00.0030
			7221.00.0045
			7221.00.0075
			7222.10.0005
			7222.10.0050
3311113180	Stainless steel, finished plates and structurals.....	7219.11.0000	7219.11.0000
		7219.12.0000	7219.12.0005
		7219.21.0000	7219.12.0015
		7219.22.0000	7219.12.0045
		7219.31.0000	7219.12.0075
		7220.11.0000	7219.21.0005
		7222.40.0000	7219.21.0050
			7219.22.0005
			7219.22.0050
			7219.31.0010
			7219.31.0050
			7220.11.0000
			7222.40.3020
			7222.40.3040
			7222.40.3060
			7222.40.3080
			7222.40.6000
33111151B0	Stainless steel, finished sheet and strip, hot rolled.....	7219.13.0000	7219.13.0030

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

Product code	Product description	Export number 1/	Import number 2/
		7219.14.0000	7219.13.0060
		7219.23.0000	7219.14.0030
		7219.24.0000	7219.14.0060
		7220.12.0000	7219.23.0030
			7219.23.0060
			7219.24.0030
			7219.24.0060
			7220.12.1000
			7220.12.5000
3312211150	Stainless steel, finished sheet and strip, cold rolled.....	7219.32.0000	7219.32.0015
		7219.33.0000	7219.32.0030
		7219.34.0000	7219.32.0045
		7219.35.0000	7219.32.0050
		7219.90.0000	7219.32.0060
		7220.20.0000	7219.33.0015
		7220.90.0000	7219.33.0030
			7219.33.0045
			7219.33.0060
			7219.34.0010
			7219.34.0050
			7219.35.0010
			7219.35.0050
			7219.90.0000
			7220.20.1000
			7220.20.6005
			7220.20.6050
			7220.20.7005
			7220.20.7050
			7220.20.8000
			7220.20.9000
			7220.90.0000
3312213130	Stainless steel, finished bars, cold finished.....	7222.20.0000	7222.20.0005
		7222.30.0000	7222.20.0045
			7222.20.0075
			7222.30.0000
33122251E0	Stainless steel, finished round wire, under 0.75 mm in diameter.....	(NA)	7223.00.1015
			7223.00.1030
33122251F0	Stainless steel, finished round wire, 0.75 mm to under 1.5 mm.....	(NA)	7223.00.1045
33122251G0	Stainless steel, finished round wire, 1.5 mm and above.....	(NA)	7223.00.1060
			7223.00.1075
33122251H0	Stainless steel finished wire, n.e.c., including flat.....	(NA)	7223.00.5000
			7223.00.9000
33122251E0	Stainless steel finished wire.....	7223.00.0000	(NA)
33122251F0			
33122251G0			
33122251H0			

NA Not available. n.e.c. Not elsewhere classified.

1/Source: 1999 edition, Harmonized system-based Schedule B, statistical classification of domestic and foreign commodities exported from the United States.

2/Source: Harmonized tariff schedule of the United States, annotated (1999).